

Genetic Drift

Genetic Drift: random changes in allele frequencies in small populations
* due to chance

Bottleneck Effect: genetic drift that occurs after an event (disease or natural disaster) that drastically reduces the population size

Founder Effect: genetic drift that occurs after a small number of individuals colonize a new area (still have original population)
outcomes: less genetic diversity \rightarrow can't adapt \rightarrow less fit

Gene flow: movement of alleles from 1 population to another

high: similar populations

low: difference increase in population \rightarrow evolution of species

Allele frequency: percentage of each allele (A & a) in a population

Genotypic frequency: percentage of each genotype (AA , Aa , aa) in a population